

[LB 0212]

AUGUST 2012

Sub. Code: 1612

B.Sc. PHYSICIAN ASSISTANT

FIRST YEAR

PAPER I – PEDIATRICS, GERIATRICS & CLINICAL MICROBIOLOGY

Q.P. Code : 801612

Time : Three hours

Maximum : 100 marks

(180 Mins) Answer ALL questions in the same order

I. Elaborate on:

Pages Time Marks
(Max.)(Max.)(Max.)

- | | | | |
|--|---|----|----|
| 1. Advantages of breast feeding. what are the anti-infective properties of breast milk? | 7 | 20 | 10 |
| 2. Write down the sterilization and disinfection methods in detail. | 7 | 20 | 10 |
| 3. What are the complications of severe burns in children? 5yrs boy baby is brought with 40% burns. How will you calculate fluid replacement for this child? | 7 | 20 | 10 |

II. Write notes on:

- | | | | |
|--|---|----|---|
| 1. Keratomalacia. | 4 | 10 | 5 |
| 2. Antenatal screening of down's syndrome. | 4 | 10 | 5 |
| 3. Acute flaccid paralysis surveillance. | 4 | 10 | 5 |
| 4. Bacille calmette Guerin. | 4 | 10 | 5 |
| 5. Prevention of bed sore in geriatric patients. | 4 | 10 | 5 |
| 6. Acquired immunodeficiency syndrome. | 4 | 10 | 5 |
| 7. Life cycle of malaria. | 4 | 10 | 5 |
| 8. Diagnostic methods in syphilis. | 4 | 10 | 5 |

III. Short Answers on:

- | | | | |
|--|---|---|---|
| 1. Mid arm circumference. | 2 | 4 | 3 |
| 2. National immunization days. | 2 | 4 | 3 |
| 3. Vitamin-A rich foods. | 2 | 4 | 3 |
| 4. Complications of measles. | 2 | 4 | 3 |
| 5. Use of zinc in diarrhea. | 2 | 4 | 3 |
| 6. Warning signs and symptoms of dengue fever. | 2 | 4 | 3 |
| 7. Common geriatric illness. | 2 | 4 | 3 |
| 8. Aspergillosis. | 2 | 4 | 3 |
| 9. Hook worm infestation. | 2 | 4 | 3 |
| 10. Bronchiectasis. | 2 | 4 | 3 |

[LD 0212]

AUGUST 2013
B.Sc. PHYSICIAN ASSISTANT
SECOND YEAR

Sub. Code: 1612

PAPER II – PAEDIATRICS & GERIATRICS / CLINICAL MICROBIOLOGY

Q.P. Code: 801612

Time : Three hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on

3 x 10 = 30

1. Name some national control programs and discuss any one of them.
2. Define shock, its classification, causes and management.
3. Classify and discuss sterilization and disinfection methods.

II. Write notes on

8 x 5 = 40

1. Milestones development in infancy and childhood
2. Road to health card and growth curves.
3. Normal requirement of major nutrients.
4. Causes of diarrhea in children
5. Status epilepticus – causes and management
6. Classify burns and its emergency care
7. Diet for aged person
8. Hepatitis B virus infection

III. Short answers on

10 X 3 = 30

1. Define failure to thrive
2. What is meant by infant mortality rate?
3. Dietary sources of Iron
4. Symptomatic treatment of fever
5. Define acute flaccid paralysis
6. Name some rabies vaccine
7. Define congestive cardiac failure
8. Define MMR vaccine
9. Gram negative bacilli
10. Gas sterilization methods.

[LE 0212]

FEBRUARY 2014

Sub. Code: 1612

B.Sc. PHYSICIAN ASSISTANT

FIRST YEAR

PAPER II – PEDIATRICS, GERIATRICS, CLINICAL MICROBIOLOGY

Q.P. Code : 801612

Time : Three hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(3X10=30)

1. Define acute flaccid paralysis. What is the differential diagnosis of acute flaccid paralysis in children? Write down the components of acute flaccid paralysis surveillance.
2. Define protein energy malnutrition. Write down the welcome classification of malnutrition. How will you manage Kwashiorkor in children?
3. Write down the sterilization and disinfection methods in detail.

II. Write notes on:

(8X5=40)

1. Vitamin A prophylaxis.
2. Clinical features of Down's syndrome.
3. Weaning foods.
4. X-ray findings and clinical features of rickets.
5. Prevention of bed sore in geriatric patients.
6. Alzheimer's disease.
7. Hand washing technique and its importance.
8. Opportunistic infections in AIDS.

III. Short Answers on:

(10X3=30)

1. Infantometer.
2. Widal test.
3. Vitamin A rich foods.
4. Complications of measles.
5. BCG vaccine.
6. Common ailments in geriatric age.
7. Oncogenic viruses.
8. Markers of hepatitis B infection.
9. Colostrum.
10. Iron deficiency anemia.

[LF 0212]

AUGUST 2014

Sub. Code: 1612

B.Sc. PHYSICIAN ASSISTANT

SECOND YEAR

PAPER II – PAEDIATRICS & GERIATRICS / CLINICAL MICROBIOLOGY

Q.P. Code: 801612

Time : Three hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe lifecycle of malarial parasite. Write about clinical features, diagnosis treatment and complication of falciparum malaria.
2. Enumerate the causative organism of pneumonia in the children. Classify pneumonia according to the severity on ARI control program . Give a short note on complications and treatment of staphylococcal pneumonia.
3. Write down the sterilization and disinfection method in details.

II. Write notes on:

(8 x 5 = 40)

1. Pulse polio immunization.
2. Degenerative joint disease in elderly.
3. Describe the management of class 3 dog bite.
4. Breast feeding, recommendations, advantages.
5. Osteoporosis.
6. Home management of diarrhea.
7. Management of status asthmaticus in children.
8. BCG vaccination.

III. Short answers on:

(10 x 3 = 30)

1. Cold chain.
2. Herd immunity.
3. Factors influencing growth and development.
4. Complications of measles.
5. Mid arm circumference.
6. Prevention of bedsores in geriatric patients.
7. Feeding of low birth weight babies.
8. Clinical feature and treatment of iron deficiency anemia.
9. Newer vaccines.
10. Infant mortality rate.

[LG 0215]

**FEBRUARY 2015
B.Sc. PHYSICIAN ASSISTANT
SECOND YEAR**

Sub. Code: 1612

**PAPER II – PAEDIATRICS AND GERIATRICS / CLINICAL
MICROBIOLOGY**

Q.P. Code: 801612

Time : Three Hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. What is diarrhea? Discuss the etiopathogenesis, complications. Investigations and management of acute watery diarrhea with severe dehydration in children.
2. Describe growth chart and its uses and discuss about the causes of growth failure in children.
3. Classify epilepsy; status epilepticus, definition, causes, investigation, treatment in children.

II. Write notes on:

(8 x 5 = 40)

1. Oral polio vaccine.
2. Common causes of childhood hypertension.
3. BFHI – baby friendly hospital initiative.
4. Live attenuated vaccines.
5. Complications and treatment of enteric fever.
6. Nutritional rickets.
7. ARI control program.
8. Prevention of perinatal transmission of HIV.

III. Short answers on:

(10 x 3 = 30)

1. MMR vaccine.
2. Oral candidiasis.
3. Acute flaccid paralysis surveillance.
4. WHO classification of vitamin A deficiency?
5. Scabies.
6. Nutritional disorders in the elderly.
7. Clinical feature of Beri-Beri.
8. 3 causes of upper gastrointestinal bleed.
9. Six basic right of child.
10. Antimalarial drugs.

[LH 0815]

AUGUST 2015

Sub. Code: 1612

B.SC PHYSICIAN ASSISTANT

SECOND YEAR

PAPER II – PAEDIATRICS AND GERIATRICS/ CLINICAL MICROBIOLOGY

Q.P. Code : 801612

Time : Three Hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Define asthma. Explain the classification of asthma. Discuss in detail about the asthmatic treatment.
2. What is dehydration? Explain on how to classify dehydration.
3. Write in detail about the sterilization and disinfection.

II. Write notes on:

(8 x 5 = 40)

1. Weaning foods.
2. Management of protein energy malnutrition.
3. National immunization Programme.
4. Growth chart.
5. Milestones in infancy.
6. Assessment of nutritional status of child.
7. Diet for the aged person.
8. Lifecycle of Malaria.

III. Short answers on:

(10 x 3 = 30)

1. Psychosocial needs of the aged person.
2. Prevention of bed sores in aged person.
3. Objectives of reproductive child health Programme.
4. Composition of Breast milk.
5. How to prevent contracture in aged person?
6. Write the effects of immobility.
7. Microbes Vs Humans.
8. Type of micro organism.
9. Calculate the percentage of burns.
10. Clinical manifestation of dengue fever.

[LI 0216]

FEBRUARY 2016

Sub. Code: 1612

B.Sc. PHYSICIAN ASSISTANT

SECOND YEAR

PAPER II – PAEDIATRICS AND GERIATRICS/CLINICAL MICROBIOLOGY

Q.P. Code : 801612

Time : Three Hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain in detail about pediatric emergencies.
2. Define epilepsy. Explain the classification and investigation of Epilepsy. Discuss in detail about the management of epilepsy.
3. Describe growth chart and its uses. Discuss about the causes of growth failure in children.

II. Write notes on:

(8 x 5 = 40)

1. Psychological changes in aging.
2. Management of the major geriatric ailments.
3. Management of nutritional disorders in children.
4. Congestive cardiac failure.
5. Meningitis.
6. Dialysis.
7. Hand washing technique and its importance.
8. Live attenuated vaccines.

III. Short answers on:

(10 x 3 = 30)

1. Differentiate Epispadiasis and Hypospadiasis.
2. Mention special vaccines.
3. What is Anaphylaxis?
4. Genetic Counselling.
5. Define osteoporosis.
6. Mention the classification of Hemophilia.
7. Prevention of bed sore in aged.
8. Gram negative bacilli.
9. Gas sterilization methods.
10. Markers of Hepatitis B infection.

[LJ 0816]

AUGUST 2016

Sub. Code: 1612

B.Sc. PHYSICIAN ASSISTANT

SECOND YEAR

PAPER II – PAEDIATRICS AND GERIATRICS/ CLINICAL MICROBIOLOGY

Q.P. Code : 801612

Time : Three Hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Define obesity. Discuss its causes and management.
2. Discuss 5 geriatric ailments and their management.
3. Discuss sterilization and disinfection methods in detail.

II. Write notes on:

(8 x 5 = 40)

1. Milestones in infancy and childhood.
2. Classify burns and its care.
3. Live attenuated Vaccines.
4. Vitamin A deficiency.
5. Musculoskeletal ailments in old age.
6. Osteoporosis.
7. Short note on Vitamin – D.
8. Psychological disorder in old age.

III. Short answers on:

(10 x 3 = 30)

1. Composition of breast milk.
2. Infant mortality rate.
3. Types of urinary ailments in old age.
4. Vitamin – D rich foods.
5. Colostrum.
6. Macrocytic Anaemia.
7. Types of Diarrhoea.
8. Define of failure to thrive.
9. Define Dementia.
10. Spirochetes.

[LK 0217]

FEBRUARY 2017

Sub. Code: 1612

B.Sc. PHYSICIAN ASSISTANT

SECOND YEAR

PAPER II – PAEDIATRICS AND GERIATRICS/ CLINICAL MICROBIOLOGY

Q.P. Code : 801612

Time : Three Hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Discuss hormonal changes in human body that occur in old age.
2. Discuss vaccination Programme in children till the age of 5 years.
3. Discuss sterilization methods in detail which are used in Hospital.

II. Write notes on:

(8 x 5 = 40)

1. Pulse polio Programme.
2. Advantage of breast feeding.
3. Musculo skeletal changes in aged.
4. Name 5 Anti oxidants.
5. Milestones in infancy.
6. Newer vaccines.
7. Home management of Diarrhoea.
8. Enteric fever – complications and treatment.

III. Short answers on:

(10 x 3 = 30)

1. Scabies.
2. Malaria treatment in children.
3. Cause of diarrhea in children.
4. Dietary source of vitamin – B.
5. Gram negative Bacilli.
6. Define protein calorie malnutrition.
7. Define obesity.
8. Name some rabies Vaccine.
9. Define aging.
10. Management of bed sore in geriatrics.

[LL 0817]

AUGUST 2017

Sub. Code: 1612

B.Sc. PHYSICIAN ASSISTANT

SECOND YEAR

PAPER II – PAEDIATRICS AND GERIATRICS / CLINICAL MICROBIOLOGY

Q.P. Code : 801612

Time : Three Hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Etiopathogenesis, clinical features and management of childhood tuberculosis.
2. Clinical features and treatment of dementia.
3. Various Sterilization methods involved in microbial control.

II. Write notes on:

(8 x 5 = 40)

1. Classify epilepsy and its management.
2. Protein energy malnutrition and Kwashiorkor.
3. National immunization programme.
4. Normal developmental milestones in one year of age.
5. Complications and management of Osteoporosis.
6. Explain phases of microbial growth with diagram.
7. Pathogenesis, diagnosis and treatment of any one gram positive bacteria.
8. Define Natural immunity and brief about various barriers involved in native immunity.

III. Short answers on:

(10 x 3 = 30)

1. Obesity in children.
2. Down syndrome.
3. Special vaccines.
4. Musculoskeletal atrophy.
5. Cellular senescence.
6. Beri Beri.
7. Disinfection.
8. Opsonization.
9. Role of Natural Killer cells in immunity.
10. Oncogenic viruses.

[LM 0218]

FEBRUARY 2018

Sub. Code: 1612

B.Sc. PHYSICIAN ASSISTANT

SECOND YEAR

PAPER II – PAEDIATRICS AND GERIATRICS / CLINICAL MICROBIOLOGY

Q.P. Code : 801612

Time : Three Hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Define and classify congenital heart diseases. Explain any one type.
2. Economic and psychosocial needs of geriatric people and its management.
3. Morphology, pathogenesis, diagnosis and prevention of Hepatitis B Viruses.

II. Write notes on:

(8 x 5 = 40)

1. Paediatric AIDS.
2. Nutritional requirements for the lactating mother.
3. Mendel's laws of inheritance.
4. Pressure ulcers and its prevention.
5. Explain briefly about Agglutination and its applications.
6. Describe any one opportunistic fungi associated with HIV.
7. Cultivation of acid fast bacilli.
8. Classification of viruses based on host.

III. Short answers on:

(10 x 3 = 30)

1. Osteoporosis.
2. Percentile growth curve.
3. Pulse polio immunization.
4. How to manage the nutritional disorders of elderly people?
5. Sarcopenia and Osteopenia.
6. Management of dehydration.
7. Down's syndrome.
8. Any three salient features of antigen antibody reactions.
9. Chemotherapy and its applications.
10. Human papilloma viruses.

[LN 0818]

AUGUST 2018

Sub. Code: 1612

B.Sc. PHYSICIAN ASSISTANT

SECOND YEAR

PAPER II – PAEDIATRICS AND GERIATRICS / CLINICAL MICROBIOLOGY

Q.P. Code : 801612

Time : Three Hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Define immunization. Explain about the immunization schedule and cold chain.
2. Discuss in detail the Physiological changes in geriatric people.
3. Describe the Morphology, Pathogenesis, lab diagnosis, prevention and treatment of *Mycobacterium tuberculosis*.

II. Write notes on:

(8 x 5 = 40)

1. Classify Shock and describe about its management.
2. Milestone developments in infancy and childhood.
3. Anthropometric indices.
4. Explain Paediatric emergencies with one example.
5. Psychosocial needs of elderly people.
6. Heat sterilization methods.
7. Life cycle of malarial parasite.
8. Helminths and their clinical importance.

III. Short answers on:

(10 x 3 = 30)

1. Pulse polio immunization.
2. Laws of inheritance.
3. Infant morbidity and mortality.
4. Advantages of breast feeding.
5. Alzheimer's disease.
6. Xerostomia and Bell's palsy.
7. Microbial growth curve and its phases.
8. Any three Disinfectants and their mode of action.
9. Ebstein barr viruses.
10. Acquired immunity.

[LO 0219]

FEBRUARY 2019

Sub. Code: 1612

B.Sc. PHYSICIAN ASSISTANT

SECOND YEAR

PAPER II – PAEDIATRICS AND GERIATRICS / CLINICAL MICROBIOLOGY

Q.P. Code: 801612

Time : Three Hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Degenerative joint diseases and effects of immobility of geriatric people.
2. Definition, causes and management of obesity.
3. Moist heat sterilization methods in detail.

II. Write notes on:

(8 x 5 = 40)

1. Vaccine preservation and cold-chain.
2. Complication, prevention and management of whooping cough.
3. Down syndrome.
4. Prevention of contracture and bedsores.
5. Role of various health care providers in management of geriatric ailments.
6. Disease process.
7. Types of oncogenic viruses.
8. Identification, clinical symptoms and treatment of acid fast bacilli.

III. Short answers on:

(10 x 3 = 30)

1. Status epilepticus.
2. Colostrum.
3. Percentile growth curve.
4. Psychological problems of geriatric people.
5. Principles of inheritance.
6. Human papilloma viruses.
7. Classes of antibodies.
8. Spirochetes.
9. Oral Candidiasis.
10. Disinfectants.

[LP 0819]

AUGUST 2019

Sub. Code: 1612

B.Sc. PHYSICIAN ASSISTANT

SECOND YEAR

PAPER II – PAEDIATRICS AND GERIATRICS / CLINICAL MICROBIOLOGY

Q.P. Code: 801612

Time : Three Hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe geriatric ailments and their management.
2. Classify asthma. Describe about the asthmatic treatment.
3. Write down the sterilization and disinfection method in detail.

II. Write notes on:

(8 x 5 = 40)

1. Milestone developments in infancy and childhood.
2. Mendel's laws of inheritance.
3. Protein energy malnutrition and Kwashiorkor.
4. Dietary sources of vitamin B.
5. Home management of Diarrhoea.
6. Explain phases of microbial growth.
7. Oncogenic viruses.
8. *Streptococci*.

III. Short answers on:

(10 x 3 = 30)

1. Explain the rights of a child.
2. Reproductive child health Programme.
3. Psychological disorder in old age.
4. Congestive cardiac failure.
5. Meningitis.
6. Scabies.
7. Vitamin D dietary sources.
8. Prevention of HIV.
9. NK cells.
10. Types of vaccines.

B.Sc. PHYSICIAN ASSISTANT

SECOND YEAR

PAPER II – PAEDIATRICS AND GERIATRICS / CLINICAL MICROBIOLOGY

Q.P. Code: 801612

Time : Three Hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe growth chart and its uses and discuss about the causes of growth failure in children.
2. Explain the classification and investigation of epilepsy. Discuss in detail about the management of epilepsy.
3. Give a detail account on morphology, pathogenesis, diagnosis and prevention of hepatitis B viruses.

II. Write notes on:

(8 x 5 = 40)

1. Paediatric AIDS.
2. Anthropometric indices.
3. Explain paediatric emergencies.
4. Pressure ulcers.
5. Complication and management of osteoporosis.
6. Explain phases of microbial growth.
7. Dry heat sterilization methods.
8. Antigen antibody reactions.

III. Short answers on:

(10 x 3 = 30)

1. Define dementia.
2. Laws of inheritance.
3. Pulse polio immunization.
4. Define obesity and aging.
5. Macrocytic anaemia.
6. Vitamin C rich foods.
7. Disinfection.
8. Types of microorganisms.
9. Scabies – etiology and clinical feature.
10. Management of dengue fever.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0321]

MARCH 2021

Sub. Code: 1612

(AUGUST 2020 EXAM SESSION)

B.Sc. PHYSICIAN ASSISTANT

SECOND YEAR (Regulations 2010-2011 & 2014-2015)

PAPER II – PAEDIATRICS AND GERIATRICS / CLINICAL MICROBIOLOGY

Q.P. Code : 801612

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Describe lifecycle of malarial parasite. Write about Clinical features, Complications and Management of Falciparum malaria.
2. Write in detail about asthma in the following headings:
(a) Definition (b) Classifications (c) Signs and Symptoms (d) Management
3. Explain Sterilization methods in detail which are used in hospital?

II. Write notes on:

(8 x 5 = 40)

1. PICA – Definition and Clinical features.
2. Oral Rehydration Solution.
3. Breath holding spells.
4. Classify burns and its care.
5. Alzheimer's disease.
6. Weaning foods.
7. Microcephaly.
8. Chemotherapy.

III. Short answers on:

(10 x 3 = 30)

1. Colostrum.
2. Bell's palsy.
3. Adult vaccines.
4. Nebulizer.
5. Define mortality.
6. Types of fractures.
7. Laxatives.
8. Nosocomial infection.
9. Failure to Thrive (FTT) – Definition.
10. Dietary sources of Vitamin A.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0222]

**FEBRUARY 2022
(AUGUST 2021 EXAM SESSION)**

Sub. Code: 1612

**B.Sc. PHYSICIAN ASSISTANT
SECOND YEAR (Regulations 2010-2011 & 2014-2015)
PAPER II – PAEDIATRICS AND GERIATRICS / CLINICAL MICROBIOLOGY
Q.P. Code : 801612**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Moist heat sterilization methods
2. What is meant by Protein energy malnutrition(PEM)? Classify PEM. Add a note on its management.
3. Write about milestones of infancy. Add a note on assessment of nutritional status of child.

II. Write notes on:

(8 x 5 = 40)

1. Clinical importance of any one gram negative bacteria
2. Life cycle of *Entamoeba histolytica*
3. Candidiasis
4. Effects of immobility
5. Childhood pneumonia
6. Prevention of contracture and bedsores.
7. Principles and methods of handwashing
8. Vitamin D

III. Short answers on:

(10 x 3 = 30)

1. Infections caused by Ebstein barr viruses
2. Syphilis
3. Define pathogenicity
4. Classify viruses
5. Management of diarrhea
6. Anti-infective properties of breast milk
7. Name some national control programs
8. Classify dehydration
9. Epilepsy
10. Management of obesity

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 1612

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

B.Sc. PHYSICIAN ASSISTANT

SECOND YEAR (Regulations from 2010-2011 & 2014-2015)

PAPER II – PAEDIATRICS & GERIATRICS / CLINICAL MICROBIOLOGY

Q.P. Code : 801612

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Physiological changes during ageing.
2. Discuss on the causes, clinical manifestation and management of childhood obesity.
3. Discuss about the morphology, pathogenesis, diagnosis and prevention of HIV.

II. Write notes on:

(8 x 5 = 40)

1. Pressure ulcers and its management.
2. Feeding the preterm infants.
3. Osteoporosis and its clinical manifestations.
4. Infant Reflexes.
5. Neural tube defects.
6. Vaccine preventable diseases.
7. Pathogenesis and diagnosis of Hepatitis B virus.
8. Vaccine preservation and cold chain.

III. Short answers on:

(10 x 3 = 30)

1. Presbycusis and Agnosia.
2. Delirium and Delusion.
3. Down syndrome.
4. Hyalocephalus.
5. Innate immunity.
6. Clinical features of Rubella.
7. Uses of autoclave.
8. Name three oncogenic viruses.
9. Malaria causing parasites.
10. *E.coli* types and infections.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0423]

APRIL 2023

Sub. Code: 1612

B.Sc. PHYSICIAN ASSISTANT
SECOND YEAR (Regulations 2010-2011, 2014-2015 & 2019-2020 onwards)
PAPER II – PAEDIATRICS & GERIATRICS / CLINICAL MICROBIOLOGY
Q.P. Code: 801612

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Enteric Fever - Etiopathogenesis, Clinical features, Complications, Investigation and Management.
2. Define Development. Explain in detail the Rules of Development and Factors affecting Development.
3. Definition, Causes and Management of Hypertension in Elderly.

II. Write notes on:

(8 x 5 = 40)

1. Benefits of Breast feeding.
2. Osteoporosis.
3. IAP Classification of Malnutrition.
4. Status asthmaticus – Management.
5. Role of Accredited Social Health Activist (ASHA).
6. Antioxidants.
7. Pulse Polio Programme.
8. Vitamin A deficiency – WHO Classification.

III. Short answers on:

(10 x 3 = 30)

1. Dietary sources of Iron.
2. Name any two Gram Negative Bacilli.
3. Biomedical Waste Management.
4. Clinical features of Dengue fever.
5. Management of Bedsore.
6. Causes of Diarrhea in Children.
7. Define Dementia.
8. HPV Vaccination.
9. Vitamin C Rich foods.
10. Scabies – Etiology and Clinical features.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1123]

NOVEMBER 2023

Sub. Code: 1612

B.Sc. PHYSICIAN ASSISTANT

SECOND YEAR (Regulations 2010-2011, 2014-2015 & 2019-2020 onwards)

PAPER II – PAEDIATRICS & GERIATRICS / CLINICAL MICROBIOLOGY

Q.P. Code: 801612

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Describe lifecycle of *Plasmodium falciparum* and write in detail about clinical features, diagnosis, treatment and complication of *Plasmodium falciparum*.
2. Discuss the causes, clinical features and management of Congestive Cardiac Failure.
3. Define Diarrhoea. Discuss the causative agents, investigations, complications and management of Acute Watery Diarrhoea in Children.

II. Write notes on:

(8 x 5 = 40)

1. Hand Hygiene techniques.
2. Gaseous sterilization.
3. Milestones in infancy and childhood.
4. Advantages of breast feeding.
5. Bacterial growth curve.
6. Oral polio vaccine
7. Degenerative joint disease in elderly.
8. Clinical manifestation of Dengue fever.

III. Short answers on:

(10 x 3 = 30)

1. Acquired immunity
2. ICDS programme
3. Nutritional Rickets
4. Treatment of iron deficiency anemia.
5. Genetic Counselling
6. Vaccines in old age.
7. Status epilepticus.
8. Antibiotic susceptibility testing
9. Candidiasis
10. Infantometer

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0424]

APRIL 2024

Sub. Code: 1612

B.Sc. PHYSICIAN ASSISTANT

SECOND YEAR (Regulations 2010-2011, 2014-2015 & 2019-2020 onwards)

PAPER II – PAEDIATRICS & GERIATRICS / CLINICAL MICROBIOLOGY

Q.P. Code: 801612

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Describe the morphology, pathogenesis, lab diagnosis, prevention and treatment of Syphilis.
2. Economic and Psychosocial needs of Geriatric people and its management.
3. Describe Growth chart and its uses and discuss about the causes of Growth failure in children.

II. Write notes on:

(8 x 5 = 40)

1. Pinworm infection.
2. Colostrum
3. Rabies Vaccine.
4. RCH programme.
5. Aspergillus
6. Kwashiorkor.
7. Oral Rehydration solution.
8. Mechanisms of Gene transfer.

III. Short answers on:

(10 x 3 = 30)

1. Herd immunity.
2. Infant mortality rate.
3. Staphylococcal infections.
4. Gastrointestinal bleeding.
5. DNA viruses.
6. Hospital acquired infections.
7. IgA antibody.
8. Scabies.
9. Donning and Doffing.
10. Diet for the Elderly person.
